



United States
Department of
Agriculture

Forest
Service

Northeastern Area
State & Private
Forestry

180 Canfield Street
Morgantown, WV 26505-3101

File Code: 3409 (NA-07-05)
Date: March 19, 2007

Subject: Old House Run Post treatment Evaluation
(Old House Run Picnic Area Suppression Project FY2005 - Oct 21 2004)

To: Clyde Thompson, Forest Supervisor
Monongahela National Forest

On 2/26/2007, hemlock trees which were injected with Imidacloprid insecticide at Old House Run Picnic Area on the Monongahela National Forest were assessed for overall health and presence of hemlock woolly adelgid (HWA). Thirty-seven hemlock trees were initially treated with the insecticide imidacloprid in June 2005 via trunk injection. The health of the trees was assessed prior to injection in April 2005 and after injection in May 2006 and February 2007. Before the injection in 2005, 50% of the hemlocks at the picnic area were observed to be infested with HWA. After the injection, no HWA was detected on any trees in 2006. By February of 2007, HWA populations began to reappear and were observed on 25% of hemlocks. Trees assessed before the injections in 2005 exhibited little to no new growth. Approximately 57% of the hemlocks were described as thinning with little to no new growth in 2005. No data was taken on the presence of new growth in 2006, but by 2007, only 5% of the hemlocks had little to no new growth. In 2005, there was no scale observed and in 2007 only 5% of trees observed exhibited scale. In 2005, mites were present on 16% of hemlocks, but no mites were observed in 2007. No data was taken on scale or mite presence in 2006.

Forest Health Protection personnel will continue to monitor HWA populations at this site. We ask that all field personnel continue to monitor for evidence of insect activity defoliation, discoloration, and mortality in their areas and report any insect and disease activity to the Morgantown Field Office. If you or any of your staff have any questions or comments regarding this evaluation, please contact Richard Turcotte at (304) 285-1544.

Sincerely,

ROBERT G. LUECKEL

Field Representative
Morgantown Field Office

Cc:
District Ranger, Greenbrier RD
Glen Juergens, Forest Silviculturist

RMT/AC



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